

ABSTRACT

An object of the present invention is to provide an acrylic synthetic fiber having excellent stylability and heat resistance. The object may be attained by an acrylic synthetic fiber having a knot-like unevenness on a fiber surface thereof, a difference of distances between a depression and a projection of 5.0 micrometers to 15.0 micrometers, a distance between peaks of unevenness of 0.05 mm to 0.5 mm, a flexural rigidity value of the fiber of 7.0×10^{-7} N-m²/m to 10.0×10^{-7} N-m²/m, and a torsional rigidity value of the fiber of 5.0×10^{-9} N-m² to 10.0×10^{-9} N-m², and furthermore the object may be attained by an acrylic synthetic fiber comprising an acrylic copolymer having a content of acrylonitrile of not less than 60 mol%, a sulfur content originating in a vinyl based monomer including a sulfonic group of 0.15% by weight to 0.50% by weight, and a specific viscosity of 0.20 to 0.50.